27th International Multiconference Information Society

Jožef Stefan Institute, Jamova cesta 39, Ljubljana, Slovenia

SLOVENIAN CONFERENCE ON ARTIFICIAL INTELLIGENCE 2024

Jožef Stefan Institute   **10 October 2024**

Conference topics

Slovenian Conference on Artificial Intelligence and its predecessor *Intelligent Systems* are traditional conferences at the Information Society multiconference. Information technology is transforming the global and the Slovenian society, and artificial intelligence is becoming the key driver of this transformation. It is clear that artificial intelligence has the potential do dramatically change the economic landscape, tackle many societal challenges, and bring about a brighter future. However, as any powerful technology it has its downsides and dangers, so it has to be developed and applied judiciously. The conference addresses artificial intelligence, intelligent systems and their applications in the information society. It seeks to present state-of-the-art methods and applications to real-life problems. It also wishes to be a forum for discussion of the role of artificial intelligence in the society, what the future is likely to bring, and how to steer technological development and policy so that we enjoy the most benefits and the least downsides of artificial intelligence.

The conference will focus on the following topics:

- Artificial intelligence
- Intelligent systems
- Machine learning
- Data mining
- Language models and technologies
- Intelligent agents
- Decision support systems
- Computational intelligence
- Ambient intelligence

- The impact of artificial intelligence on the society
- Policy related to artificial intelligence
- Ethical and legal perspectives
- Intelligent systems in:
  - Health
  - Industry
  - Science and research
  - Education
  - Government
  - and other areas

Instruction for authors

We call for papers on the topics of the conference, which should be accessible to a relatively wide audience. We welcome contributions from the academia and industry. The papers should not exceed four pages, and should preferably be written in English, although Slovene papers are also accepted. Template files are available on the conference submission page. The papers should be submitted here. They will be reviewed by the Programme Committee. The accepted papers will be published in the conference proceedings and presented at the conference. An award will be given to the best paper selected by the Programme Committee. Extended versions of selected papers will be invited to the Informatica journal.

Conference programme and participation

To enable everyone interested to attend, the conference will be hybrid, taking place live and remotely, for presenters and participants. The presentations will be organised in sessions depending on the papers' topic and language. By default, the presentations shall be given in English. The time allocated for each presentation will be 15–20 minutes (including discussion). In addition to the regular conference sessions, we plan:

- **Keynote "Robots (Still) Need Humans in the Loop"** by Iolanda Leite of KTH Royal Institute of Technology
- A **formal debate on the future impact of artificial intelligence** (confirmation pending)

Important dates

1 September 2024: submission deadline
15 September 2024: acceptance notification
22 September 2024: deadline for revised camera-ready paper

Programme committee

Mitja Luštrek (co-chair)	Aleš Dobnikar	Niko Schlamberger
Matjaž Gams (co-chair)	Erik Dovgan	Tomaž Seljak
Rok Piltaver (co-chair)	Bogdan Filipič	Peter Stanovnik
Cene Bavec	Borka Jerman Blažič	Damjan Strnad
Marko Bohanec	Marjan Krisper	Miha Štajdohar
Marko Bonač	Marjan Mernik	Vasja Vehovar
Ivan Bratko	Biljana Mileva Boshkoska	Martin Žnidaršič
Bojan Cestnik	Vladislav Rajkovič	

In cooperation with

SLAIS, Slovenian Artificial Intelligence Society
ACM Slovenia
Slovenian Society Informatika
IAS, Slovenian Academy of Engineering Science

Further information

Further information is available at http://is.ijs.si. Questions regarding the programme and papers should be addressed to mitja.lustrek@ijs.si, and questions regarding organisation to is@ijs.si or +386 1 477-3355.

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27. mednarodna multikonferenca Informacijska družba

Institut »Jožef Stefan«, Jamova cesta 39, Ljubljana, Slovenija

SLOVENSKA KONFERENCA O UMETNI INTELIGENCI 2024

Institut »Jožef Stefan«　　　　　　　　　　　**10. oktober 2024**

Vsebina konference

Slovenska konferenca o umetni inteligenci in njena predhodnica Inteligentni sistemi se uvrščata med tradicionalne konference, ki potekajo v okviru [multikonference Informacijska družba](). Informacijska tehnologija spreminja svetovno in slovensko družbo, in umetna inteligence postaja gonilo teh sprememb. Jasno je, da ima umetna inteligence potencial za dramatičen preobrazbo gospodarstva, reševanje mnogih družbenih problemov in nasploh svetlejšo prihodnost. A kot vsaka pomembna tehnologija ima tudi slabost in nevarnosti, zato jo je treba razvijati in uporabljati premišljeno. Konferenca se ukvarja z umetno inteligenco, inteligentnimi sistemi in njihovo uporabo v informacijski družbi. Stremi k temu, da bi bila forum za razpravo o vlogi umetne inteligence v družbi, razmislek o tem, kaj nam utegne prinesti prihodnosti, ter kako usmeriti tehnološki razvoj in politike, da bomo želi kar največ koristi umetne inteligence in se obenem izognili njenim slabostim.

Konferenca bo obravnavala predvsem naslednje teme:

- umetna inteligenca,
- inteligentni sistemi,
- strojno učenje,
- iskanje zakonitosti v podatkih,
- jezikovni modeli in tehnologije,
- inteligentni agenti,
- sistemi za podporo pri odločanju,
- računska inteligenca,
- ambientalna inteligenca,

- pomen umetne inteligence za družbo,
- politične usmeritve glede umetne inteligence,
- etične in regulatorne perspektive,
- inteligentni sistemi v:
  - zdravstvu,
  - gospodarstvu,
  - znanosti in razvoju,
  - izobraževanju,
  - javni upravi
  - in na drugih področjih

Navodila za avtorje

Vabimo prispevke na teme konference, ki naj bodo strokovni, a obenem dovolj poljudni, da bodo razumljivi in dostopni širši publiki. Dobrodošli so prispevki iz akademskih krogov in iz industrije. Dolžina prispevkov je omejena na štiri strani, priporočen jezik pa je angleščina, čeprav sprejemamo tudi slovenske prispevke. Predloge so na voljo [na konferenčni spletni strani](). Prispevki se oddajo [tu](). Pregledal in ocenil jih bo programski odbor. Sprejeti prispevki bodo objavljeni v zborniku in predstavljeni na konferenci. Najboljši prispevek po izboru programskega odbora bo nagrajen. Izbrani prispevki z vseh konferenc Informacijske družbe bodo v razširjeni obliki povabljeni za objavo v reviji [Informatica]().

Izvedba konference

Da omogočimo udeležbo vsem zainteresiranim, bo konferenca potekala hibridno – tako v živo kot na daljavo; obe možnosti bosta na voljo predavateljem in poslušalcem. Predstavitve bodo organizirane v bloke glede na temo in jezik prispevka. Če je le mogoče, bodo prispevki predstavljeni v angleščini. Za posamezno predstavitev bo na voljo 15–20 minut (skupaj z odgovori na vprašanja občinstva). Poleg rednega dela konference načrtujemo tudi:

- vabljeno predavanje **"Robots (Still) Need Humans in the Loop"** Iolande Leite z Royal Institute of Technology;
- **formalno debato o vplivu umetne inteligence na prihodnost človeštva** (še ni potrjena).

Pomembni datumi

1. september 2024: rok za oddajo prispevkov

15. september 2024: obvestilo avtorjem o sprejetju in pripombah recenzentov

22. september 2024: rok za oddajo končne različice prispevkov

Programski odbor

Mitja Luštrek (co-chair)	Aleš Dobnikar	Niko Schlamberger
Matjaž Gams (co-chair)	Erik Dovgan	Tomaž Seljak
Rok Piltaver (co-chair)	Bogdan Filipič	Peter Stanovnik
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Bojan Cestnik	Vladislav Rajkovič	

V sodelovanju z

SLAIS, Slovensko društvo za umetno inteligenco

Društvo ACM Slovenija

Slovensko društvo Informatika

IAS, Inženirska akademija Slovenije

Dodatne informacije

Dodatne informacije so na voljo na spletni strani http://is.ijs.si. Vsebinska vprašanja naslovite na mitja.lustrek@ijs.si, organizacijska pa na e-poštni naslov is@ijs.si ali telefon 01 477-3355.

Vstopite v prihodnost znanosti, kjer se akademska in znanstvena svoboda združujeta s tehnologijo in neukročenim umom